Title (en)

Enhanced coding and parameter representation of multichannel downmixed object coding

Title (de)

Verbesserte Kodierungs- und Parameterdarstellung von auf mehreren Kanälen abwärtsgemischter Objektkodierung

Title (fr)

Codage amélioré et représentation de paramètre de codage d'objet à mélange abaisseur multicanaux

Publication

EP 2372701 A1 20111005 (EN)

Application

EP 11153938 A 20071005

Priority

- EP 09004406 A 20071005
- EP 07818759 A 20071005
- US 82964906 P 20061016

Abstract (en)

An audio object coder for generating an encoded object signal using a plurality of audio objects includes a downmix information generator for generating downmix information indicating a distribution of the plurality of audio objects into at least two downmix channels, an audio object parameter generator for generating object parameters for the audio objects, and an output interface for generating the imported audio output signal using the downmix information and the object parameters. An audio synthesizer uses the downmix information for generating output data usable for creating a plurality of output channels of the predefined audio output configuration.

IPC 8 full level

H04S 7/00 (2006.01); **G10L 19/008** (2013.01)

CPC (source: BR EP KR NO US)

G10L 19/008 (2013.01 - KR NO US); **G10L 19/173** (2013.01 - KR); **G10L 19/20** (2013.01 - BR EP KR US); **H04S 3/008** (2013.01 - KR US); **H04S 3/02** (2013.01 - KR US); **H04S 7/30** (2013.01 - BR EP KR NO US); **H04S 5/00** (2013.01 - KR US); **H04S 2400/03** (2013.01 - KR US); **H04S 2400/11** (2013.01 - KR US); **H04S 2420/03** (2013.01 - BR EP KR US)

Citation (applicant)

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WO 2008046531 A1 20080424; AT E503245 T1 20110415; AT E536612 T1 20111215; AU 2007312598 A1 20080424; AU 2007312598 B2 20110120; AU 2011201106 A1 20110407; AU 2011201106 B2 20120726; BR PI0715559 A2 20130702; BR PI0715559 B1 20211207; CA 2666640 A1 20080424; CA 2666640 C 20150310; CA 2874451 A1 20080424; CA 2874451 C 20160906; CA 2874454 A1 20080424; CA 2874454 C 20170502; CN 101529501 A 20090909; CN 101529501 B 20130807; CN 102892070 A 20130123; CN 102892070 B 20160224; CN 103400583 A 20131120; CN 103400583 B 20160120; DE 602007013415 D1 20110505; EP 2054875 A1 20090506; EP 2054875 B1 20110323; EP 2068307 A1 20090610; EP 2068307 B1 20111207; EP 2372701 A1 20111005; EP 2372701 B1 20131211; ES 2378734 T3 20120417; HK 1126888 A1 20090911; HK 1133116 A1 20100312; HK 1162736 A1 20120831; JP 2010507115 A 20100304; JP 2012141633 A 20120726; JP 2013190810 A 20130926; JP 5270557 B2 20130821; JP 5297544 B2 20130925; JP 5592974 B2 20140917; KR 101012259 B1 20110204; KR 101103987 B1 20120106; KR 20090057131 A 20090603; KR 20110002504 A 20110107; MX 2009003570 A 20090528; MY 145497 A 20120229; NO 20091901 L 20090514; NO 340450 B1 20170424; PL 2068307 T3 20120731; PT 2372701 E 20140320; RU 2009113055 A 20101127; RU 2011102416 A 20120727; RU 2430430 C2 20110927; SG 175632 A1 20111128; TW 200828269 A 20080701; TW I347590 B 20110821; UA 94117 C2 20110411; US 2011022402 A1 20110127; US 2017084285 A1 20170323; US 9565509 B2 20170207

DOCDB simple family (application)

EP 2007008683 W 20071005; AT 07818759 T 20071005; AT 09004406 T 20071005; AU 2007312598 A 20071005; AU 2011201106 A 20110311; BR PI0715559 A 20071005; CA 2666640 A 20071005; CA 2874451 A 20071005; CA 2874454 A 20071005; CN 200780038364 A 20071005; CN 201210276103 A 20071005; CN 201310285571 A 20071005; DE 602007013415 T 20071005; EP 07818759 A 20071005; EP 09004406 A 20071005; EP 11153938 A 20071005; ES 09004406 T 20071005; HK 09105759 A 20090626; HK 09111503 A 20090626; HK 12103182 A 20090626; JP 2009532703 A 20071005; JP 2012064886 A 20120322; JP 2013100865 A 20130513; KR 20097007957 A 20071005; KR 20107029462 A 20071005; MX 2009003570 A 20071005; MY PI20091442 A 20071005;